PCE-008

Thermo anemometer with external vane sensor, interface and software

The PCE-008 thermo anemometer is appealing for its high quality and low price. This device combines wind speed measurement with air temperature. Introducing the diameter of a channel, it also calculates the current volume. Thanks to its internal data logger you can store up to 16,000 values with date and time stamp (e.g. for measurements over a fix period of time).

- Measures wind speed and temperature
- Measure in several units, m/s, knots, km/h, mph / air flow in m³/h
- Temperature in °C or °F
- Data logger (16,000 values)
- Data-Hold function
- MIN / MAX function
- Average function
- RS-232 interface
- ISO calibration certificate (optional)

Technical specifications

Measurement ranges	
Wind speed	0.2 to 25 m/s
Air temperature	0 to 50 °C
Air volume	0 to 9,900 m³/min
	(it's calculated with the average value)
Resolution	
Wind speed	0.1 m/s
Air temperature	0.1 °C
Air volume	0.001 to 100 m³/min
Accuracy	
Air volume	±2 % (of reading); +0.2 m/s
Air temperature	±0.8 °C
Impeller diameter	72 mm
Impeller location	precious stone support
Memory	16,000 values
Memory sequence	adjustable between 2 seconds and 9 hours
Interface	RS-232
Indicator	dual LCD for simultaneous measurements of air speed and temperature / 37 x 47 mm
Power	4 AA (Mignon) 1.5 V
Auto power-off	yes, after 20 minutes
Dimensions	200 x 76 x 35 mm
Weight	515 g

Contents

PCE-008 thermo anemometer, carrying case, battery, user's manual, software and RS-232 interface

Model No.	Description
PCE-008	Thermo anemometer

Optional accessories

RS232-USB	RS-232 to USB adapter
CAL-LCA	ISO Certificate

PCE-424

Professional thermo-anemometer for measurement of air speed

This thermo-anemometer makes accurate air speed and temperature measurements in fan systems. The hot wire heats up with a constant temperature and the current that you must measure cools it down. The combination of hot wire and standard thermistor delivers rapid and precise measurements even at low air velocities.

- Displays air speed and air temperature simultaneously
- Automatic temperature compensation
- Telescopic probe extends up to 1m
- ISO calibration certificate (optional)

Technical specifications

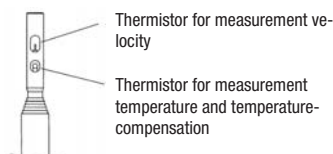| Measurement range	
Speed	0.2 to 20 m/s
Temperature	0 to +50 °C
Accuracy	
Speed	±1 %; ±1 dgt (full range)
Temperature	±0.8 °C
Resolution	0.1 m/s
	0.1 °C
Probe lenght	280 to 950 mm
Probe diameter	minimum - maximum from 8 to 12 mm
Operating conditions	barometric pressure: 500 mbar to 2 bar temperature: -10 °C to +50 °C
Indicator	dual LCD
Power	6 1.5 V batteries
Enclosure	ABS plastic
Dimensions	185 x 78 x 38 mm
Weight	355 g

Contents

PCE-424 thermo anemometer, telescopic probe with cable, batteries, carrying case and user's manual

Model No.	Description
PCE-424	Thermo anemometer PCE 424

Optional accessories

CAL-LCA	ISO Certificate

Thermistor for measurement velocity

Thermistor for measurement temperature and temperature-compensation

PCE-009

Thermo-anemometer with memory, RS-232 interface and software

This thermo-anemometer is an economical solution for measuring with high accuracy and for its multiple functions. You can also transfer data to a PC or a portable computer. It can store up to 16,000 in its internal memory.

- Measures air speed and temperature
- Air flow measurement
- Ideal for low air speeds
- Several units of measurement: m/s, km/h, ft/min, knots, miles/h
- Maximum, minimum values are displayed and Data Hold function
- Auto shut-off
- Memory to record up to 16,000 values
- RS-232 interface
- ISO calibration certificate (optional)

Technical specifications

Measurement ranges	
Air speed	0.2 to 20.0 m/s
Air temperature	0.0 to +50.0 °C
Air volume	0 to 36,000 m³/min
Resolution	
Air speed	0.1 m/s
Air temperature	0.1 °C
Air volume	0.001 to 1 m³/min
Accuracy	
Air speed	±1 % (of reading)
Air temperature	±0.8 °C
Thermocouple	removeable telescopic hot wire normal lenght 280 mm extended lenght 940 mm maximum diameter 12 mm minimum diameter (heat) 8 mm
Memory	16,000 values
Memory space	adjustable between 2 sec. and 9 hours
Interface	RS-232
Indicator	large LCD (58 x 34 mm)
Power	4 AA batteries 1.5 V
Auto shut-off	after 5 min
Dimensions	200 x 76 x 38 mm
Weight	515 g

Contents

PCE-009 thermo anemometer with logger and thermocouple with 1.5m cable, RS-232 interface, software, 4 batteries, carrying case and user's manual

Model No.	Description
PCE-009	Thermo anemometer PCE-009

Optional accessories

RS232-USB	RS-232 to USB adaptor
CAL-LCA	ISO Certificate